



**Effat College of Engineering
Computer Science Department**

**Associate Diploma in Programming and Computing
Study Plan**

DECEMBER 2023

STUDY PLAN

Associate Diploma in Programming and Computing

Semester 1: Levels 1-2													
Level 1 (8 weeks)							Level 2 (8 weeks)						
Course Code	Course Name	LEC	PRAC	CR	Total Contact Hours	Prerequisites	Course Code	Course Name	LEC	PRAC	CR	Total Contact Hours	Prerequisites
PCD 101	Introduction to Computing	2	1	3	48	None	PCD 112	Database Systems	2	1	3	48	None
PCD 111	System Analysis and Design	2	1	3	48	None	PCD 121	Introduction to Programming in Python	2	2	3	64	None
Total Credit Hours		4	2	6	96		Total Credit Hours		4	3	6	112	
Semester 2: Levels 3-4													
Level 3 (8 weeks)							Level 4 (8 weeks)						
Course Code	Course Name	LEC	PRAC	CR	Total Contact Hours	Prerequisites	Course Code	Course Name	LEC	PRAC	CR	Total Contact Hours	Prerequisites
PCD 231	Web Application Development (Front End)	2	1	3	48	PCD 121	PCD 231	Web Application Development (Back End)	2	1	3	48	PCD112
PCD 223	Object Oriented Programming in Java	2	1	3	48	PCD 121	PCD 232	Mobile App Development	2	1	3	48	PCD 223
							PCD 311	Programming Computing Final Project	2	1	3	48	PCD 223
Total Credit Hours		4	2	6	96		Total Credit Hours		4	2	9	144	
Total credit hours required for Associate Diploma in Programming and Computing:										27			
Total Contact hours for Associate Diploma in Programming and Computing:										448			